THE MATHEMATICS TEACHER

EDITED BY

W. H. METZLER

ASSOCIATED WITH

EUGENE RANDOLPH SMITH
GEORGE G. CHAMBERS
HARRY D. GAYLORD
WILLIAM E. BRECKENRIDGE

SOLD BY
COOPER UNION
LIBRARY

Vol. X

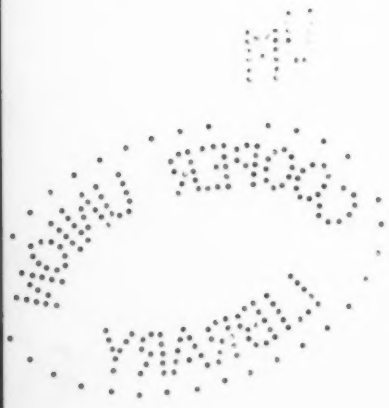
September, 1917—June, 1918

THE MATHEMATICS TEACHER
SYRACUSE, N. Y.

58478

510.5
M426

PRESS OF
THE NEW ERA PRINTING COMPANY
LANCASTER, PA.



Complete
University Ext. Service
7-7-38
36843

INDEX.

A

PAGE

Aids or Hindrances to School Progress? Are Your Teachers..... 154
Algebra and Life, A Connection Between..... 104
An Outline of Plane Geometry as Used in the Durfee High School.. 158
Applications of Mathematics to Educational Statistics, Some..... 169
Are Your Teachers Aids or Hindrances to School Progress?..... 154
Arithmetic in the High School Curriculum, The Place of..... 175
Association of Mathematics Teachers of the Middle States and Maryland, Report of the Committee on Elementary Mathematics, of the 198
Authors—
Betz, William 58
Bird, J. Malcolm 35
Bruce, Robert E. 139
Chambers, Geo. Gailey 169
Cowley, Elizabeth B. 30
Dooley, W. H. 181
Germann, George B. 198
Goff, Robert R. 158
Hart, Howard F. 198
Johnson, Elizabeth Forrest 185
Long, Agnes 198
McMurtrie, Douglas C. 189
Minnick, John H. 198
Moore, Ernest C. 1
Northwood, Louise 100
Roe, E. D., Jr. 205
Scoboria, C. P. 198
Shipley, James H. 125
Smith, David Eugene 179
Smith, Percy F. 19
Walsh, C. B. 85
Webb, Harrison E. 94, 198
Webster, L. M. 194
White, Elizabeth G. 104
Wiener, William 175

B

Books, New 52, 119, 161, 211

C

Changes Proposed in the Secondary School Course, Collegiate Mathematics in Relation to the..... 19
Collegiate Mathematics in Relation to the Changes Proposed in the Secondary School Course..... 19
Comprehensive Examinations 30
Commissioner of Education, Suggestions by the..... 110
Conditions Which Have Led to the Establishment of Junior High Schools 94
Connection Between Algebra and Life, A..... 104
Courses in Mathematics for Secondary Schools, Vocational..... 179
Crippled Soldier, The Duty of the Employer in the Reconstruction of the 189

D

Does the Study of Mathematics Train the Mind Specifically or Universally? 1
Duty of the Employer in the Reconstruction of the Crippled Soldier, The 189

E

Editorial 57
Educational Statistics, Some Applications of Mathematics to..... 169
Effect of Examinations on Secondary Education?, How Can We Minimize the 125
Employer in the Reconstruction of the Crippled Soldier, The Duty of the 189
Establishment of Junior High Schools, Conditions Which Led to the 94
Examinations, Comprehensive 30
Explicit Functions, Graphs of 139

F

Financial Problems, Mathematics of 194

G

Geometry as Used in the Durfee High School, An Outline of Plane.. 158
Geometric Representation, A 205
Graphs of Explicit Functions 139

H

High School Curriculum, The Place of Arithmetic in the..... 175
High Schools, Practical Mathematics for..... 181
How Can We Minimize the Effect of Examinations on Secondary Education? 125

I

Is the Present Entrance Requirement in Algebra Excessive in Amount? Does It Expect Too Great Maturity of the Student?... 185

J

Junior High School Mathematics in Trenton..... 100
Junior High Schools, Conditions Which Have Led to the Establishment of 94
Junior High School, The Teaching of Mathematics in the..... 58

M

Mathematics in the Junior High School, The Teaching of..... 58
Mathematics of Financial Problems..... 194
Mathematics for High Schools, Practical..... 181
Mathematics for Secondary Schools, Vocational Courses in..... 179
Mathematics Train the Mind Specifically or Universally?, Does the Study of 1
Mathematics in Trenton, Junior High School..... 100
Mathematics of Warfare, The 30
Minimize the Effect of Examinations on Secondary Education?, How Can We 125

N

New Books 52, 119, 161, 211
Notes and News 54, 123, 165, 215

P

Place of Arithmetic in the High School Curriculum, The..... 175
Plane Geometry as Used in the Durfee High School, An Outline of.. 158
Practical Mathematics for High Schools..... 181
Program of Junior High-School Mathematics, A Tentative..... 85
Progress?, Are Your Teachers Aids or Hindrances to School..... 154

R

Relation to the Changes Proposed in the Secondary School Course, Collegiate Mathematics in 19
Report of the Committee on Elementary School Mathematics, of the Association of Mathematics Teachers of the Middle States and Maryland 198
Representation, A Geometric 205
Requirement in Algebra Excessive in Amount?, Is the Present Entrance, Does It Expect Too Great Maturity of the Student..... 185

S

School Progress?, Are Your Teachers Aids or Hindrances to..... 154
Some Applications of Mathematics to Educational Statistics 169
Suggestions by the Commissioner of Education..... 110

T

Teachers Aids or Hindrances to School Progress?, Are Your..... 154
Teaching of Mathematics in the Junior High School, The..... 58
Tentative Program of Junior High-School Mathematics, A..... 85
Train the Mind Specifically or Universally?, Does the Study of Mathematics 1

V

Vocational Courses in Mathematics for Secondary Schools..... 179

W

Warfare, The Mathematics of..... 35